



1642

ABX-PF/2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Not Yet Assigned  
Group : 1642  
Applicants : Bruce D. Cohen et al.  
Application No.: 10/038,591 Confirmation No.: 1445  
Filed : January 4, 2002  
For : Antibodies to Insulin-like Growth Factor Receptor

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New York, New York  
February 4, 2003

Hon. Commissioner for Patents  
P.O. Box 2327  
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TRANSMITTAL LETTER FOR  
INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application. This Statement is submitted:

- ☐ within three months of the application filing date;
- ☒ more than three months from the application filing date but before the mailing date of the first Office Action on the merits;
- ☐ before the mailing of a first Office action after the filing of a request for continued examination;
- ☐ after the mailing date of a first Office Action on the merits but before the mailing date of a Final Action or a Notice of Allowance.

In accordance with 37 C.F.R. § 1.97(b)(3), no fee is due in connection with this Information Disclosure Statement. However, if for any reason a fee is due, the Director is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

Karen E. Brown

James F. Haley, Jr. (Reg. No. 27,794)

Jane T. Gunnison (Reg. No. 38,479)

Attorneys for Applicants

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Signature of Person Signing



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Group Art Unit : 1642  
Applicants : Bruce D. Cohen et al.  
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Confirmation No. : 1445  
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For : Antibodies to Insulin-like Growth  
Factor I Receptor

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants  
hereby make of record the references listed below. Copies of  
these references are enclosed.<sup>1</sup>

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<sup>1</sup> For the Examiner's convenience, applicants have also enclosed  
a completed Form PTO-1449, listing these documents.



UNITED STATES PATENT DOCUMENT

| <u>Inventor</u> | <u>Patent No.</u> | <u>Issue Date</u> |
|-----------------|-------------------|-------------------|
| Baserga et al.  | 6,084,085         | July 4, 2000      |

FOREIGN PATENT DOCUMENTS

| <u>Publication No.</u> | <u>Publication Date</u> |
|------------------------|-------------------------|
| WO 00/50067            | August 31, 2000         |

OTHER REFERENCES

DiGiovanni, John, et al., "Deregulated expression of insulin-like growth factor 1 in prostate epithelium leads to neoplasia in transgenic mice," *Proc. Natl. Acad. Sci. USA*, 97:3455-3460 (2000).

Drexhage, H.A. & Wulffraat, N.M., "Endocrine autoimmune diseases," *Netherlands Journal of Medicine*, 45:285-293 (1994).

Kim, Bhumsoo, et al., "Insulin receptor substrate 2 and shc play different roles in insulin-like growth factor I signaling," *Journal of Biological Chemistry*, 273:34543-34550 (1998).

Smith, Lois E., et al., "Regulation of vascular endothelial growth factor-dependent retinal neovascularization by insulin-like growth factor-1 receptor," *Nature Medicine*, 5:1390-1395 (1999).

Tappy, Luc, et al., "Antibodies to insulin-like growth factor I receptors in diabetes and other disorders," *Diabetes*, 37:1708-1714 (1988).

Thompson, Kathleen, et al., "Low prevalence of autoantibodies to the insulin-like growth factor I receptor in children with short stature," *Pediatric Research*, 32:455-459 (1992).

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Weightman, David R., et al., "Autoantibodies to IGF-1 binding sites in thyroid associated ophthalmopathy," *Autoimmunity*, 16:251-257 (1993).

Wraight, Christopher, et al., "Reversal of epidermal hyperproliferation in psoriasis by insulin-like growth factor I receptor antisense oligonucleotides," *Nature Biotechnology*, 18:521-526 (2000).

#### REMARKS

It is respectfully requested that the Examiner (1) fully consider the enclosed references during the examination of this application; (2) initial the enclosed copy of Form PTO-1449 in the appropriate places to indicate that the references have been considered; and return a copy of the initialed Form to the undersigned in accordance with MPEP § 609 and § 2001.06(b).

Respectfully submitted,

Karen E. Brown

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Cheryl J. Saint-John  
Goodman

Signature of Person Signing

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ABX-PF/2APPLN. NO.  
10/038,591APPLICANT  
Bruce D. Cohen, et al.CONFIRMATION  
NO. 1445FILING DATE  
January 4, 2002GROUP  
1642INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

## UNITED STATES PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE         | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF<br>APPROPRIATE |
|---------------------|--------------------|--------------|----------------|-------|----------|----------------------------------|
|                     | 6,084,085          | July 4, 2000 | Baserga et al. | 536   | 23.5     |                                  |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE            | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|--------------------|-----------------|---------|-------|----------|-------------|----|
|                     |                    |                 |         |       |          | YES         | NO |
|                     | WO 00/50067        | August 31, 2000 | PCT     |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER<br>INITIAL |  |
|---------------------|--|
|                     | DiGiovanni, John, et al., "Deregulated expression of insulin-like growth factor 1 in prostate epithelium leads to neoplasia in transgenic mice," <u>Proc. Natl. Acad. Sci. USA</u> , 97:3455-3460 (2000).    |
|                     | Drexhage, H.A. & Wulffraat, N.M., "Endocrine autoimmune diseases," <u>Netherlands Journal of Medicine</u> , 45:285-293 (1994).   |
|                     | Kim, Bhumsoo, et al., "Insulin receptor substrate 2 and shc play different roles in insulin-like growth factor I signaling," <u>Journal of Biological Chemistry</u> , 273:34543-34550 (1998).                |
|                     | Smith, Lois E., et al., "Regulation of vascular endothelial growth factor-dependent retinal neovascularization by insulin-like growth factor-1 receptor," <u>Nature Medicine</u> , 5:1390-1395 (1999).       |
|                     | Tappy, Luc, et al., "Antibodies to insulin-like growth factor I receptors in diabetes and other disorders," <u>Diabetes</u> , 37:1708-1714 (1988).   |
|                     | Thompson, Kathleen, et al., "Low prevalence of autoantibodies to the insulin-like growth factor I receptor in children with short stature," <u>Pediatric Research</u> , 32:455-459 (1992).                   |
|                     | Weightman, David R., et al., "Autoantibodies to IGF-1 binding sites in thyroid associated opthalmopathy," <u>Autoimmunity</u> , 16:251-257 (1993).   |
|                     | Wraight, Christopher, et al., "Reversal of epidermal hyperproliferation in psoriasis by insulin-like growth factor I receptor antisense oligonucleotides," <u>Nature Biotechnology</u> , 18 :521-526 (2000). |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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